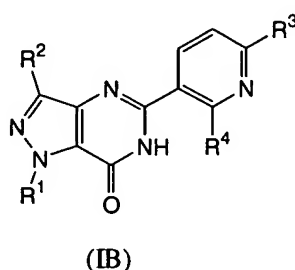
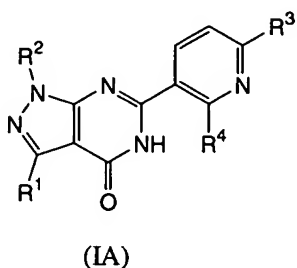


Amendments to the Claims:

This listing of the claims below will replace all prior versions and listing of claims in this application.

1. (Currently amended) Pyridinylpyrazolopyrimidinone derivative represented by the following formula (IA) or (IB):



wherein:

R¹ is a substituted or unsubstituted C₃-C₈ cycloalkyl group or tert-butyl group;

R² is a hydrogen atom or C₁-C₃ alkyl group;

R³ is a group: -NR⁵R⁶, -C(=O)R⁷ or -S(O)₀₋₂R⁸;

R⁴ is a hydrogen atom or C₁-C₃ alkoxy group which is unsubstituted or substituted by one or more fluorine atom(s);

R⁵ and R⁶ are, same or different from each other, a hydrogen atom, substituted or unsubstituted C₁-C₆ alkyl group, substituted or unsubstituted acyl group, substituted or unsubstituted heterocycloalkyl group, and substituted or unsubstituted heterocycloalkyl ring formed with a nitrogen atom which is binding R⁵ and R⁶;

R⁷ is a group: -OR⁹ or -NR⁵R⁶;

R⁸ is a hydrogen atom, a halogen atom, a group: -NR⁵R⁶, substituted or unsubstituted C₁-C₆ alkyl group, or substituted or unsubstituted aryl group;

R⁹ is a hydrogen atom or substituted or unsubstituted C₁-C₆ alkyl group;

or pharmaceutically acceptable salts ~~or solvates~~ thereof.

2. (Original) The compound represented by the formula (IA) according to claim 1.

3. (Original) The compound represented by the formula (IB) according to claim 1.

4. (Previously presented) The compound according to claim 1, in which R¹ is a cyclohexyl group or cycloheptyl group.

5. (Currently amended) The compound according to to claim 1, in which R^2 is a methyl group.
6. (Previously presented) The compound according to claim 1, in which R^4 is a methoxy or ethoxy group.
7. (Previously presented) The compound according to claim 1, in which R^3 is a group $-NR^5R^6$.
8. (Currently amended) A pharmaceutical composition comprising a compound according to claim 1, or pharmaceutically acceptable salts ~~or solvates~~ thereof as the active ingredient.
9. (Currently amended) A PDE 7 inhibitor comprising a compound according to claim 1, or pharmaceutically acceptable salts ~~or solvates~~ thereof as the active ingredient.